

Claims:

1. An ink-jet recording material which comprises a light transmitting support, at least one ink-receptive layer provided on one surface of the support and at least one back-coating layer provided on the opposite surface of the support, wherein at least one of the back-coating layers contains inorganic fine particles having an average particle size of a primary particle of 5 to 50 nm and a binder, and a void ratio of the layer is 70% by volume or less.
2. The ink-jet recording material according to Claim 1, wherein the ink-receptive layer contains inorganic fine particles having an average particle size of a primary particle of 5 to 30 nm and a hydrophilic binder.
3. The ink-jet recording material according to Claim 1, wherein the ink-receptive layer contains at least one of an inorganic pigment and an organic pigment having an average particle size of 0.5 to 10  $\mu\text{m}$ .
4. The ink-jet recording material according to Claim 1, wherein the ink-receptive layer comprises two or more layers, and an ink-receptive layer (A) near to the light transmitting support contains fumed silica having an average particle size of a primary particle of 10 to 30 nm and a hydrophilic binder and an ink-receptive layer (B) far from the light transmitting support contains alumina or alumina hydrate having an average particle size of a primary particle of 5 to 30 nm and a hydrophilic binder.
5. The ink-jet recording material according to Claim 4, wherein the ink-receptive layer (B) contains at least one of an inorganic pigment and an organic pigment having an average particle size of 0.5 to 10  $\mu\text{m}$  in an amount of 0.01 to 1  $\text{g}/\text{m}^2$ .

6. The ink-jet recording material according to Claim 4, wherein a ratio (C) of the hydrophilic binder to the fumed silica of the ink-receptive layer (A) is 5 to 20% by weight and a ratio (D) of the hydrophilic binder to the alumina or alumina hydrate of the ink-receptive layer (B) is 6 to 22% by weight and (C) is smaller than (D).

7. The ink-jet recording material according to Claim 1, wherein the inorganic fine particles in the back coating layer are wet process silica having 5 or more silanol groups per square nm.

8. The ink-jet recording material according to Claim 7, wherein the wet process silica in the back coating layer is colloidal silica.

9. The ink-jet recording material according to Claim 1, wherein the binder in the back coating layer is polyvinyl alcohol or a modified product thereof.

10. The ink-jet recording material according to Claim 1, wherein a solid content of the back coating layer is 1 to 10 g/m<sup>2</sup>.

11. The ink-jet recording material according to Claim 1, wherein the light transmitting support is a polyester film.

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